

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|---|---|------------------|---------|---------------------|
| S14   | 1    | 10/574880   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/07/13<br>12:09 |
| S16   | 85   | gate with (heat\$3 anneal<br>\$3 fusing weld\$3) with<br>(nano\$1particles<br>(quantum near dots) nano<br>\$1dots nano\$1clusters<br>nano\$1structures)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/07/13<br>12:11 |
| S15   | 218  | gate same (heat\$3 anneal<br>\$3 fusing weld\$3) same<br>(nano\$1particles<br>(quantum near dots) nano<br>\$1dots nano\$1clusters<br>nano\$1structures)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/07/13<br>12:11 |
| S17   | 86   | gate with (heat\$3 anneal<br>\$3 fus\$3 weld\$3) with<br>(nano\$1particles<br>(quantum near dots) nano<br>\$1dots nano\$1clusters<br>nano\$1structures)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/07/13<br>12:18 |
| S18   | 27   | ("20020044111"  <br>"20020074547"  <br>"20020100908"  <br>"20020179906"  <br>"20030054653"  <br>"20030134519"  <br>"20040147113"  <br>"20050074963"  <br>"20060073667"  <br>"20070051958"  <br>"5947783"   "5989945"  <br>"6291136"   "6294401"  <br>"6593591"   "6849308").<br>PN. | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/07/13<br>12:20 |
| S19   | 4    | ((("20020179906") or<br>("5947783")).PN.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2009/07/13<br>13:09 |

|     |      |   |   |    |     |                     |
|-----|------|---|---|----|-----|---------------------|
| S20 | 2    | ("6323143").PN.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/07/13<br>13:39 |
| S22 | 1957 | (TFT (thin near film near transistor)) same (gate with ((silicon adj nitride) SiN "Si.sub.3N.sub.4" Si3N4 (silicon adj nitride adj oxide) (silicon adj nitride-oxide)) with ((silicon adj oxide) (silicon adj dioxide) "SiO.sub.2" SiO SiO2)) | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/07/13<br>13:42 |
| S21 | 6190 | (TFT (thin near film near transistor)) same ((silicon adj nitride) SiN "Si.sub.3N.sub.4" Si3N4 (silicon adj nitride adj oxide) (silicon adj nitride-oxide)) same ((silicon adj oxide) (silicon adj dioxide) "SiO.sub.2" SiO SiO2)             | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/07/13<br>13:42 |
| S24 | 4    | S22 and S23   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/07/13<br>13:44 |
| S23 | 1796 | (257/324,326).CCLS.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/07/13<br>13:44 |
| S25 | 14   | ("4990365"   "5232862"   "5247190"   "5324690"   "5373171"   "5399502"   "5536360"   "5643826"   "5756250"   "5923962"   "6144094"   "6177323").PN. OR ("6891236").URPN.  | US-PGPUB;<br>USPAT; USOCR                                     | OR | ON  | 2009/07/13<br>13:49 |
| S26 | 2    | ("20050023579").PN.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/07/13<br>13:51 |

|     |    |   |   |    |     |                     |
|-----|----|---|---|----|-----|---------------------|
| S28 | 25 | ("20010034088"  <br>"20020053881"  <br>"20020089616"  <br>"20020136829"  <br>"20030083203"  <br>"20030143794"  <br>"20030219934"  <br>"20040038138"  <br>"20040113161"  <br>"20050054181"  <br>"20050250262"  <br>"5883682"   "6416583"  <br>"6426595"   "6555420"  <br>"6587165"   "6627263"  <br>"6630274"   "6787407"  <br>"6821827"   "6891236"  <br>"6908796"   "6911675"  <br>"6952036"   "6994414").<br>PN. OR ("7223641").<br>URPN. | US-PGPUB;<br>USPAT; USOCR                                     | OR | ON  | 2009/07/13<br>13:52 |
| S27 | 2  | ("20050214983").PN.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/07/13<br>13:52 |
| S29 | 39 | ("20010034088"  <br>"20020053881"  <br>"20020089616"  <br>"20020136829"  <br>"20030083203"  <br>"20030143794"  <br>"20030219934"  <br>"20040038138"  <br>"20040113161"  <br>"20050054181"  <br>"20050250262"  <br>"5883682"   "6416583"  <br>"6426595"   "6555420"  <br>"6587165"   "6627263"  <br>"6630274"   "6787407"  <br>"6821827"   "6891236"  <br>"6908796"   "6911675"  <br>"6952036"   "6994414").<br>PN. OR ("7223641").<br>URPN. | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/07/13<br>14:01 |
| S30 | 2  | 09/479262   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/07/13<br>14:02 |
| S31 | 3  | ("2005/0074963").URPN.  | USPAT   | OR | ON  | 2009/07/13<br>14:38 |

**EAST Search History (Interference)**

| Ref # | Hits | Search Query   | DBs                | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--------------------|------------------|---------|------------------|
| L17   | 546  | (pixel and ((thin adj film adj transistor) TFT) and gate and ((silicon adj nitride) SiN "Si.sub.3N.sub.4" Si3N4 (silicon adj nitride adj oxide) (silicon adj nitride-oxide)) and ((silicon adj oxide) (silicon adj dioxide) "SiO.sub.2" SiO SiO2)).clm.                                      | US-PGPUB;<br>USPAT | OR               | ON      | 2009/07/14 10:23 |
| L19   | 1    | (pixel and (light light Semi\$5) and ((thin adj film adj transistor) TFT) and gate and fus\$4 and ((silicon adj nitride) SiN "Si.sub.3N.sub.4" Si3N4 (silicon adj nitride adj oxide) (silicon adj nitride-oxide)) and ((silicon adj oxide) (silicon adj dioxide) "SiO.sub.2" SiO SiO2)).clm. | US-PGPUB;<br>USPAT | OR               | ON      | 2009/07/14 10:24 |
| L18   | 157  | (pixel and (light light Semi\$5) and ((thin adj film adj transistor) TFT) and gate and ((silicon adj nitride) SiN "Si.sub.3N.sub.4" Si3N4 (silicon adj nitride adj oxide) (silicon adj nitride-oxide)) and ((silicon adj oxide) (silicon adj dioxide) "SiO.sub.2" SiO SiO2)).clm.            | US-PGPUB;<br>USPAT | OR               | ON      | 2009/07/14 10:24 |

7/14/2009 10:28:06 AM

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